

## SEQUENCE LISTING

SEQ ID NO:27.

DNA sequence of expression plasmid pPROLarA122/HO1-RBS-SLR0116

10

CAGAATTCATTAAAGAGGAGAAAGGTACCATGAGTGTCAACTTAGCTTCCCAGTTGCGGGAAGGGACGAAAAAA  
TCCCACCTCCATGGCGGAGAACGTCGGCTTTGTCAAATGCTTCCTCAAGGGCGTTGTGAGAAAAATTCCTACCG  
TAAGCTGGTTGGCAATCTCTACTTTGTCTACAGTGCCATGGAAGAGGAAATGGCAAAATTTAAGGACCATCCCA  
TCCTCAGCCACATTTACTTCCCCGAACTCAACCGCAAACAAAGCCTAGAGCAAGACCTGCAATTCTATTACGGC

15

TCCAACCTGGCGGCAAGAAGTGAAAATTTCTGCCGCTGGCCAAGCCTATGTGGACCGAGTCCGGCAAGTGGCCCGC  
TACGGCCCCCTGAATTGTTGGTGGCCCATTCCTACACCCGTTACCTGGGGGATCTTTCCGGCGGTCAAATCTCA  
AGAAAATTGCCCAAATGCCATGAATCTCCACGATGGTGGCACAGCTTTCTATGAATTTGCCGACATTGATGAC  
GAAAAGGCTTTTAAAAATACCTACCGTCAAGCTATGAATGATCTGCCCATTGACCAAGCCACCGCCGAACGGAT  
TGTGGATGAAGCCAATGACGCCTTTGCCATGAACATGAAAATGTTCAACGAACCTGAAGGCAACCTGATCAAGG

20

CGATCGGCATTATGGTGTTC AACAGCCTCACCCTCGCCGAGTCAAGGCAGCACCGAAGTTGGCCTCGCCACC  
TCCGAAGGCTAGTTAAAGAGGAGAAAGGATCCATGGCCGTCAGTGATTTAAGTTTGACCAATTTCTCCCTGATG  
CCTACGTTGAACCCGATGATTCAACAGTTGGCCCTGGCGATCGCCGCTAGTTGGCAAAGTTTACCCCTCAAGCC  
CTATCAATTGCCGAGGATTTGGGCTACGTAGAAGGCCGCCTGGAAGGGGAAAAGTTAGTGATTGAAAATCGGT  
GCTACCAAACGCCCCAGTTTCGCAAAATGCATTTGGAGTTGGCCAAGGTGGGCAAAGGGTTGGATATTCTCCAC

25

TGTGTAATGTTTCCTGAGCCTTTATACGGTCTACCTTTGTTTGGCTGTGACATTGTGGCCGGCCCCGGTGGAGT  
AAGTGCGGCTATTGCGGATCTATCCCCACCCAAAGCGATCGCCAATTGCCCGCAGCGTACCAAAAATCATTGG  
CAGAGCTAGGCCAGCCAGAATTTGAGCAACAACGGGAATTGCCCCCTGGGGAGAAATATTTCTGAATATTGT  
TTATTCATCCGTCCCAGCAATGTCACTGAAGAAGAAAGATTTGTACAAAGGGTAGTGGACTTTTGTCAAATTCA  
TTGTCACCAATCCATCGTTGCCGAACCCCTTGTCTGAAGCTCAAACCTTTGGAGCACCGTCAAGGGCAAATTCATT

30

ACTGCCAACAACAAGAAAAATGATAAAACCCGTCGGGTACTGGAAAAAGCTTTTGGGGAAGCTTGGGCGGAA  
CGGTATATGAGCCAAGTCTTATTTGATGTTATCCAATAATCTAGAGGCATCAAATAAAACGAAAGGCTCAGTCG  
AAAGACTGGGCCTTTTCGTTTTATCTGTTTGTTCGGTGAACGCTCTCCTGAGTAGGACAAAATCCGCCGCCCTA  
GACCTAGGGGATATATTCCGCTTCCTCGCTCACTGACTCGCTACGCTCGGTGCTTCGACTGCGGCGAGCGGAAA  
TGGCTTACGAACGGGGCGGAGATTTCTTGGAAGATGCCAGGAAGATACTTAACAGGGAAGTGAGAGGGCCGCGG

35

CAAAGCCGTTTTTCCATAGGCTCCGCCCCCTGACAAGCATCACGAAATCTGACGCTCAAATCAGTGGTGGCGA  
AACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGCGGCTCCCTCGTGCGCTCTCCTGTTCTGCTT  
TCGGTTTACCGGTGTCATTCCGCTGTTATGGCCGCGTTTGTCTCATTCCACGCCTGACACTCAGTTCCGGGTAG  
GCAGTTTCGCTCCAAGCTGGACTGTATGCACGAACCCCCGTTTCAGTCCGACCGCTGCGCCTTATCCGGTAAC TA  
TCGTCTTGAGTCCAACCCGAAAGACATGCAAAAGCACCACCTGGCAGCAGCCACTGGTAATTGATTTAGAGGAG

40

TTAGTCTTGAAGTCATGCGCCGGTTAAGGCTAAACTGAAAGGACAAGTTTTGGTGACTGCGCTCCTCCAAGCCA  
GTTACCTCGGTTCAAAGAGTTGGTAGCTCAGAGAACCCTCGAAAAACCGCCCTGCAAGGCGGTTTTTTTCGTTTT  
CAGAGCAAGAGATTACGCGCAGACCAAAACGATCTCAAGAAGATCATCTTATTAATCAGATAAAATATTACTAG  
ATTTCAAGTGCAATTTATCTCTTCAAATGTAGCACCTGAAGTCAGCCCCATACGATATAAGTTGTTACTAGTGCT

5 TGGATTCTCACCAATAAAAAACGCCCCGGCGGCAACCGAGCGTTCTGAACAAATCCAGATGGAGTTCTGAGGTCA  
TTACTGGATCTATCAACAGGAGTCCAAGCGAGCTCTCGAACCCAGAGTCCCCTCAGAAGAACTCGTCAAGAA  
GGCGATAGAAGGCGATGCGCTGCGAATCGGGAGCGGCGATACCGTAAAGCACGAGGAAGCGGTCAGCCCATTCTG  
CCGCCAAGCTCTTCAGCAATATCACGGGTAGCCAACGCTATGTCCTGATAGCGGTCCGCCACACCCAGCCGGCC  
ACAGTCGATGAATCCAGAAAAGCGGCCATTTTCCACCATGATATTCGGCAAGCAGGCATCGCCATGGGTCACGA  
10 CGAGATCCTCGCCGTCGGGCATGCGCGCCTTGAGCCTGGCGAACAGTTCGGCTGGCGCGAGCCCCCTGATGCTCT  
TCGTCCAGATCATCCTGATCGACAAGACCGGCTTCCATCCGAGTACGTGCTCGCTCGATGCGATGTTTCGCTTG  
GTGGTCGAATGGGCAGGTAGCCGGATCAAGCGTATGCAGCCGCCGCATTGCATCAGCCATGATGGATACTTTCT  
CGGCAGGAGCAAGGTGAGATGACAGGAGATCCTGCCCGGGCACTTCGCCCAATAGCAGCCAGTCCCCTTCCCGCT  
TCAGTGACAACGTCGAGCACAGCTGCGCAAGGAACGCCCGTCGTGGCCAGCCACGATAGCCGCGCTGCCCTCGTC  
15 CTGCAGTTCATTACGGGCACCGGACAGGTCGGTCTTGACAAAAGAACCAGGGCGCCCCCTGCGCTGACAGCCGGA  
ACACGGCGGCATCAGAGCAGCCGATTGTCTGTTGTGCCCAGTCATAGCCGAATAGCCTCTCCACCCAAGCGGCC  
GGAGAACCCTGCGTGCAATCCATCTTGTTCAATCATGCGAAACGATCCTCATCCTGTCTCTTGATCAGATCTTGA  
TCCCCTGCGCCATCAGATCCTTGCGCGCAAGAAAGCCATCCAGTTTACTTTGCAGGGCTTCCCAACCTTACCAG  
AGGGCGCCCCAGCTGGCAATTCCGACGTCTGTGTGGAATTGTGAGCGGATAACAATTTACACAGGGCCCTCGG  
20 ACACCGAGGAGAATGTCAAGAGGCGAACACACAACGTCTTGAGCGCCAGAGGAGGAACGAGCTAAAACGGAGC  
TTTTTTGCCCTGCGTGACCAGATCCCGGAGTTGGAACAATGAAAAGGCCCCCAAGGTAGTTATCCTTAAAAA  
AGCCACAGCATAATCCTGTCCGTCCAAGCAGAGGAGCAAAAGCTCATTCTGAAGAGGACTTGTGCGGAAAC  
GACGAGAACAGTTGAAACACAACTTGAAACAGCTACGGAACCTTGTGCGTAAGGAAAAGTAAGGAAAACGATT  
CCTTCTAACAGAAATGTCTGAGCAATCACCTATGAACGTGTCGACTCGAGCATAGCATTTTTATCCATAAGATT  
25 AGCGGATCTAACCTTTACAATTGTGAGCGGTCACAATTATGATAGATTCAATTGTGAGCGGATAACAATTTAC  
A

Sub  
B1  
cont